

# Existence results for a new class of generalized implicit fuzzy resolvent dynamical systems in Banach spaces

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## Abstract

In this paper, we investigate a new class of generalized implicit fuzzy resolvent dynamical systems involving  $(\mathbf{H}(\cdot, \cdot), \eta)$ -monotone operators in Banach spaces. Employing the approach of Gronwall's inequality, generalized resolvent mapping technique and neural network technique, we prove the existence of solutions for this type of systems under some suitable conditions. The results presented in this paper generalize and improve some corresponding results in the literature.

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